

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Joseph C. Olson	03/13/2006
Jonathan Gerald England	08/06/2007
Morgan D. Evans	03/13/2006
Douglas Thomas Fielder	03/15/2006
Gregg Alexander Norris	03/14/2006
Shengwu Chang	03/13/2006
Damian Brennan	03/13/2006

RECEIVING PARTY DATA

Name:	Varian Semiconductor Equipment Associates, Inc.
Street Address:	35 Dory Road
City:	Gloucester
State/Country:	MASSACHUSETTS
Postal Code:	01930

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11300425

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:

2004-031.1

PATENT

500330683

REEL: 019666 FRAME: 0763

CH \$40.00 11300425

NAME OF SUBMITTER:

Scott R. Faber, Esq.

Total Attachments: 3

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**PATENT**

**REEL: 019666 FRAME: 0764**

PATENT ASSIGNMENT FORM

For and in consideration of good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor acknowledges his/her prior and ongoing obligation to sell, assign, and transfer, and agrees to sell, assign, and transfer the entire world wide right, title and interest for the United States and all foreign countries, in and to any and all inventions and improvements conceived during and within the scope of his/her employment, and further acknowledges that he/she has sold, assigned, and transferred, and hereby sells, assigns, and transfers, unto:

**VARIAN SEMICONDUCTOR EQUIPMENT ASSOCIATES, INC. ("VSEA")**  
**Gloucester, Massachusetts 01930**

a corporation of Massachusetts, and VSEA desires to acquire all right, title, and interest, in and to the certain inventions (identified below), applications, and any United States and foreign patents to be obtained therefor relating to:

Title of Invention for **TECHNIQUE FOR UNIFORMITY TUNING IN AN ION IMPLANTER SYSTEM**

United States Patent

as set forth in United States Patent Application executed by each undersigned inventor on the date indicated by each inventor signature below, and further identified by **Attorney Docket Number VSEA 2004-031-02**;

(select one): executed concurrently herewith or ☒ Serial No. 11/300,425 Filed on December 15, 2005

for and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States and foreign patents and all rights of priority to be obtained therefor which may issue on any such application or for said invention therein disclosed, including any and all reissues or extensions thereof, to be held and enjoyed by, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each undersigned inventor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to VSEA, its successors and assigns, in accordance herewith;

Each undersigned inventor warrants and covenants that he/she has the full and unencumbered right to sell and assign the interests hereby sold and assigned and that he/she has not executed and will not execute any document or instrument in conflict herewith;

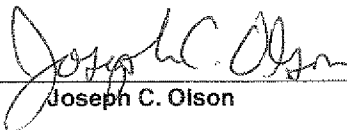
Each undersigned inventor further covenants and agrees that he/she, upon the request and at the expense of the VSEA, will execute and deliver any papers, make all rightful oaths, testify in any legal proceeding relating to said inventions and improvements, communicate to the VSEA all facts known to the undersigned relating to such inventions and improvements and the history thereof; and perform all other lawful acts deemed necessary or desirable by VSEA, and its legal representatives, to secure, maintain, and enforce patent protection for such inventions and improvements and for vesting title to such inventions and improvements in the VSEA, and in particular to perfect title to said above-identified certain inventions, and applications including divisions and continuations thereof, and any and all Letters Patent which may be granted therefor or thereon, including reissues, extensions, or counterparts;

Each undersigned inventor hereby grants the VSEA and the firm of the power to insert in this Assignment any further identification which may be necessary or desirable for recordation of this Assignment.

This assignment is governed by the substantive laws of the state of Massachusetts.

Executed by Inventor 1 of 8

Signature: \_\_\_\_\_

  
Joseph C. Olson

Date: \_\_\_\_\_

3/13/06

Executed by Inventor 2 of 8

Signature: J England Date: 6 August 2007  
Jonathan Gerald England

Executed by Inventor 3 of 8

Signature: M-E Date: 3/13/06  
Morgan D. Evans

Executed by Inventor 4 of 8

Signature: Douglas Thomas Fielder Date: 3-15-06  
Douglas Thomas Fielder

Executed by Inventor 5 of 8

Signature: Gregg Alexander Norris Date: 3/24/2006  
Gregg Alexander Norris

Executed by Inventor 6 of 8

Signature: Shengwu Chang Date: 3-13-2006  
Shengwu Chang

Executed by Inventor 7 of 8

Signature: Damian Brennan Date: 3-18-06  
Damian Brennan

Executed by Inventor 8 of 8

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Signature: William Gray Callahan Date: 3/15/2006  
William Gray Callahan